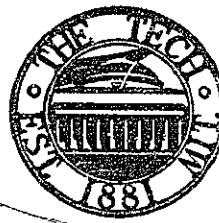


BLOOD DRIVE
MARCH 17-20

The Tech



OFFICIAL NEWSPAPER OF THE UNDERGRADUATES OF MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXII, NO. 11

CAMBRIDGE, MASS., FRIDAY, MARCH 14, 1952

5 CENTS

TRACK MEET
SEE PAGE 3

Sigma Phi Epsilon Installs Pegis Club; MIT's 26 Frat.



Above with Delta Chapter's new charter are, left to right: Trueman L. Sanderson, District Governor; William W. Hindman, Jr., Assistant Grand Secretary, and Thomas K. Cauley '52, president of Delta Chapter.

On Saturday, February 23, the Pegis Club was installed as the Massachusetts Delta Chapter of Sigma Phi Epsilon to become the Institute's 26th fraternity. The Club was founded three years ago by six "Sig Eps" who had transferred to M.I.T. from other colleges, and has since that time grown to be one of our largest living groups on Beacon Street.

The Institute was represented at the installation by such notables as Karl T. Compton, Chairman of the M.I.T. Corporation, and Thomas L. Hilton, former Assistant to the Dean of Students. Dignitaries from the national organization of the Sigma Phi Epsilon fraternity included Grand Historian Robert W. Kelley, Grand Secretary William W. Hindman, Jr., Assistant to the Grand Secretary Frank J. Ruck, Jr., and District Governor Trueman L. Sanderson.

Cauley Receives Charter

Thomas K. Cauley '52, President of the new chapter, acted as Master of Ceremonies at the installation banquet. As he received the chapter charter he expressed the appreciation of the Club for the work District Governor Sanderson had done over the last three years to bring about the installation. Sidney W. Hess '53, Chairman of the I.F.C., and the presidents of the three other Massachusetts chapters of Sigma Phi Epsilon also made speeches welcoming the new fraternity.

Composition Award Offered To Freshman Write Superior Essay

The Ellen King Memorial Prize for excellence in written composition will be awarded again this year for the best essay written by a freshman as part of his work in a first-year subject or as an extracurricular composition.

Mrs. King, whose name the award commemorates, was a friend and advisor to generations of M.I.T. students—first in Boston and then in Cambridge, where she was in charge of the Walker Library. The Memorial Prize was established in 1951 from funds contributed by her daughters, Mrs. Luis de Florez and Miss Edith King.

The first student to receive the award, which is a collection of books, was James S. Hyde, a sophomore in Course VIII. Further information on this year's award may be obtained from the Department of English and History.

(Continued on Page 4)

5 CENTS

All Classes To Elect Officers; Candidates Will Hold Forums

Loren Murchison Will Take Orders For Senior Rings

Representatives from the Loren Murchison Company will take orders for Senior Rings on Monday, Tuesday and Wednesday of next week in the Lobby of Building 10 from 9 a.m. until 4 p.m., it was announced late today by Alexander H. Danzberger, Chairman of the Ring Committee. Prices will be very slightly higher this year due to increased cost of production. A deposit of \$3 will be required, and the rings will be delivered about the middle of May.

In addition to the small, medium and large rings offered in years past, the Committee has added a new, medium-heavy ring which is slightly larger than the standard medium but contains the larger weight of gold of the large ring, and is much more massive. Rings will be available in 10K and 14K gold, and in Sterling. Juniors will have further the choice among light, medium and dark finishing, and light, medium and heavy hammering as well.

Initials will be engraved at no extra charge, and full last name at slight additional charge. Age-hardened rings, strongly recommended by the Committee to increase ring resistance to wear and scratch, will also be available at small extra charge, Danzberger indicated.

Major bids were received by the Committee from the Loren Murchison Company of Indianapolis, the L. G. Balfour Company of Attleboro, and Dieges and Clust of Providence. The contract this year went to Murchison whom the Committee announced "... would pro-

(Continued on Page 4)

Class officers for next year will be elected by the Freshmen, Sophomore and Junior classes on April 8, it has been announced by Gerald Laufs, '52, chairman of the Elections Committee.

Each class will elect a president, vice-president, secretary-treasurer, and two representatives to the Institute Committee. The officers will take over their classes during the latter part of this term and remain in office until next April.

In addition to these elections, five permanent officers will be elected by the Senior class. These include a president, secretary-treasurer, and three class marshals. Nomination petitions for these and all of the above offices may be obtained at the Institute Committee office in Walker Memorial. The deadline for returning the petitions is noon on Wednesday, April 2.

Freshman Council Plans Constitution

The proposed constitution of the Freshman Council was read in its last meeting, held on Monday, March 10th, in the Moore Room.

Elections of temporary officers were held. Dave Brooks was elected chairman, Dave Scott and Robert Morgan representatives to the Institute Committee, and Ken Hoben to the post of Secretary. Permanent elections are scheduled during April.

TCA Blood Drive Coming Next Week

With the cooperation of the Cambridge Chapter of the Red Cross, the T.C.A.'s well-advertised Blood Drive which runs from Tuesday to Friday of next week expects to receive up to 1000 pints of blood according to Anthony Terrano, chairman of the drive.

Organized on campus by the T.C.A. and serviced by Red Cross nurses, doctors and mobile units, the drive should well surpass last November's drive which solicited 598 pints of blood. Capt. Anderson of the Ordnance Corps has helped T.C.A. by canvassing the M.S. Dept. Staff and part of the student body. The number of pints promised by the employees, faculty and researchers has yet to be totaled.

Most of the blood will be on its (Continued on Page 2)

Class Forums

In an attempt to give the members of the various classes a chance to learn more about their candidates, forums are being held this year at which these candidates will be given a chance to speak to their class. Robert Briber, '52, president of this year's Senior class, will be moderator at the forums.

All of the candidates in each class will be invited to speak at the forums. The Freshmen will have their meeting on April 2, the Sophomores on April 3, and the Juniors on April 7. There will be no forum for the Senior class. All meetings will be held in Room 1-190. The topics of these talks are left to the discretion of the candidates.

Balloting for the elections will be in the lobby of Building 10, and at the junction of Buildings 2, 4 and 6. An Institute registration card will be required as class identification.

Summer Program Features Course On Spectroscopy

Infrared Spectroscopy will be given in a special program at the Institute's 1952 Summer Session. The program, to be offered jointly by the Spectroscopy Laboratory and Department of Chemistry, is designed for those who wish an introduction to infrared instrumentation and laboratory methods and for those interested in the use of infrared spectra in the solution of chemical problems.

It will consist of two integrated one-week courses on the Techniques of Infrared Spectroscopy and on the Applications of Infrared Spectroscopy under the direction of Dr. Richard C. Lord, Director of the Institute's Spectroscopy Laboratory, and Dr. Foil A. Miller, in charge of the Spectroscopy Laboratory at the Mellon Institute of Industrial Research.

In the course on the Techniques of Infrared Spectroscopy lectures will be devoted to the elementary theory of infrared spectra, a survey of infrared instrumentation, and discussion of techniques for measurement of spectra. Afternoon laboratory exercises will be carried out by small groups with a variety of infrared instruments and related equipment. This work will be supervised by experienced M.I.T. personnel and by technical personnel from several makers of infrared equipment.

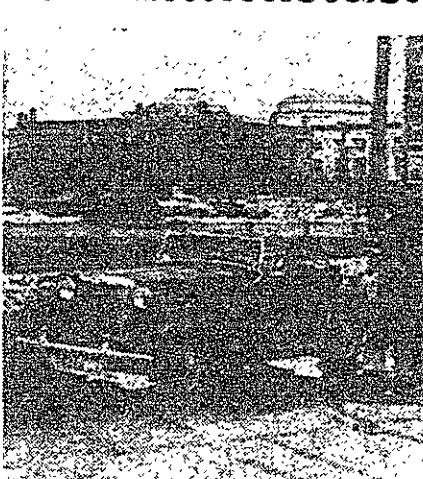
The course on Applications of Infrared Spectroscopy will cover the theory of infrared absorption by molecules, the interpretation of infrared absorption spectra and the relation between spectra and molecular structure.

Motor Club Started On Campus To Unite All Motor Enthusiasts

One of the newest organizations on the campus is the Motor Enthusiasts Club. The purpose of this club is to bring together persons interested in driving as a sport and in sports cars, vintage and antique motor cars. The club was started last term and now has a membership of thirty-six.

Last Sunday, March 9, the organization held its second rally. The course of the rally led through downtown Boston, as well as through rough country roads. Seventy man-hours were expended in laying out the course. The exact time of the quickest route figured at two miles per hour less than the legal speed limit is the goal of the drivers. The drivers were given one point for each minute that their time differed from the theoretical.

The race started from the Graduate House parking lot at 2:00 p.m. The drivers left at four-minute intervals. They drove 17.9 miles to West Abington in 45 minutes; then to East Foxboro, 18.1 miles, in 40 minutes; to Dover, 14.6 miles, in 29 minutes; and finally back home, 16.4 miles, in 38 minutes. All of the drivers found that the times were too short and didn't allow for lights and traffic conditions. After the race the club adjourned to



Edgar Rose, starting official, is standing beside the sport car of Charles T. Prewitt '55, who finished seventh in the motor rally.

Chez Dreyfus Restaurant. The results were announced at the bull session that followed the dinner.

The results were: first place, Gordon Cultum, 27 points, '51 Chevy Convertible; second, Charles Stoddard, 32 points in a modified '49 Studebaker Business Coupe; third, W. Gent, 38 points, '50 M.G. T.D.; fourth, L. Licher, 42 points, in a '49 Plymouth 4-Door Sedan; fifth, Richard Locarni, 46 points in a '50 Ford; sixth, John Miller, 54 (Continued on Page 2)

The Tech

VOL. LXXII

FRIDAY, MARCH 14, 1952

NO. 11

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 Mail Subscription \$3.50 per year, \$6.00 for two years.
 Published every Tuesday and Friday during college year, except during college vacation,
 under the Act of March 31, 1879.
 Represented for national advertising by National Advertising Service, Inc., College
 Publishers Representative, 420 Madison Ave., New York, N.Y.

Night Editor: Arthur Haines, '54
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OUR STUDENT ADVISER SYSTEM: IS IT ADEQUATE?

With an academic schedule as intensive as the one we have at MIT, and with times being what they are, it is perhaps inevitable that we, as students, should be faced at one time or another during our stay at the Institute with dilemmas and problems which require the counsel of one more mature than we are.

First, there are the Registration officers, who, to quote the Institute catalogue: "serve as academic advisers (to upper-classmen) and insure that each student's particular problem will receive individual attention"; next, we have the newly reinstated group of 28 freshman section advisers; and finally, in one group, there is the influence exerted to a greater or lesser extent by freshman weekend group leaders, brochures of various kinds sent to freshmen before they arrive in Cambridge, by upperclassmen in the living units, by church and club affiliation, by the Advisory Committee on Selective Service, the TCA, and of course, in the case of commuting students, by parents.

How well does this system function? Nearly all those asked for their views maintained that in some respects it works well enough, that in others it does not, and that in any event it leaves much to be desired in the way of efficiency and dependability.

The freshman counsellor system, for example, is in operation during some terms and lies idle during others; the advisers are easy enough to contact in daytime — always assuming that the adviser does not happen to be teaching when the freshman has a free period—but after class hours it is harder to get to see an adviser who lives in distant Newton, Belmont or Wellesley.

Upperclassmen come across the same drawback in their relations with the Registration officers. Added to this is another problem occurring in most departments: Registration officers are designated to take care of one particular class, say the juniors, which they keep year after year. The result is that just when the Registration officer is getting to know the various problems of his students, the academic year comes to a close and the Registration officer has to pass the student on to his colleague in the higher year, where the whole process of familiarization starts all over again.

The influence of freshman weekend group-leaders is at best temporary; the pamphlets distributed to the incoming students deal only with general problems—very efficiently, it is true, but nonetheless omitting (their authors not being prophets) any personal problems that might arise; and advisers in religious organizations and clubs with members from numerous colleges in the Boston area will not as a rule be acquainted with conditions at the Institute to be of service in problems of academic character.

In order to improve the situation, we submit the following proposals:

There is no reason why willing members of the faculty should not live on campus. As a matter of fact, this excellent idea has already been put into execution. With one faculty resident for about three hundred students, however, it cannot hope to meet with any great success and should be expanded. There is at present sufficient space to accommodate the additional residents; should there arise a shortage of dormitory space, the fact that a dozen or so students would be obliged to take rooms off campus instead of on campus would not be too big a price to pay for the advantage of having numerous advisers on campus.

The advisers need not necessarily be professors; in fact, some younger instructors and research assistants could do a very adequate job.

The idea of faculty residents should be extended to cover the fraternities. Various fraternity men contacted asserted that they would welcome such a plan, whereby acceptable faculty men would be available near the houses by taking up residence in the Bay State Road and Beacon Street area; the houses on Memorial Drive could avail themselves of the on-campus counsellors.

Group-leaders at freshman weekend should be selected with care and should be willing to remain with their group for the rest of the freshmen's first term: to live in the same living unit as they and to act as general counsellors. They should be seniors, and after three years at the Institute they would certainly know the ropes.

Advice on academic and related questions will always remain the task of the Registration officers and of the freshman section advisers. The present system can be improved upon in several ways.

First, a student should be able to keep the same Registration officer for all his upperclass years; this can work even in cases where courses split into options after second or third year.

Second, Registration officers and freshman counsellors should familiarize themselves with the academic schedule of their section and announce hours when they are available for consultation.

Third, such academic counsellors would be of particular service to commuting students who could evidently not avail themselves of the advice of resident advisers.

Finally, all groups of counsellors should meet regularly to discuss and to agree upon optimum remedies for current problems and dilemmas facing the student.

There will be a meeting of Registration Officers during the Spring Recess. We ask them to consider the above points with attention and understanding.

AFTER HOURS

Send contributions to Ray Fessel, M.I.T.
 East Campus.

DANCES

FRIDAY, MARCH 14
 Mass. General Hospital — The nurses of Walcott House are holding another one of their dances at the House on Fruit St. and they would like to see you there. It'll be the usual thing with food, refreshments, television, and most important of all, girls. The shindig starts at 8:30 p.m. and it will cost you \$5.50 to get in.

SATURDAY, MARCH 15

University Club — The Intercollegiate Club of Boston has added a new twist to one of their regular affairs by making it a combination of regular and square dancing. They're calling it a "Prelude to Spring" dance, as if you have to be reminded that spring fever season is coming around again. The music, which will be supplied by both Herbie Sulkin and George Horwood, starts at 8:30 p.m. at the University Club, Stuart St., Boston. Remember, you don't have to be a square because there's going to be 150 hostesses there who'll be only to glad to see you.

Parker House — It's birthday time for the Boston Junior League and they are inviting you to their 32nd birthday party in the Hawthorne Room of the Parker House, Boston, from 8 to 12 P.M. Admission is \$1.20.

THEATRE

Stage
 BOSTON OPERA HOUSE — Opening Monday for a one-week engagement is Sadler's Wells Ballet, in Boston for the first time. It should be a great treat for those who are interested in ballet, but tickets are pretty scarce. However, if you should happen to get one, you can be sure of seeing some topnotch entertainment.

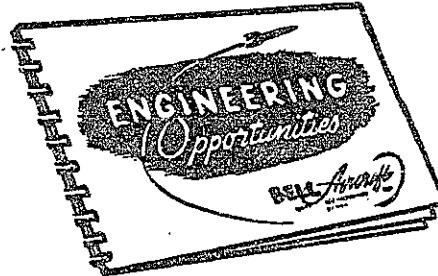
PLYMOUTH — In Boston after 77 weeks on Broadway is "Affairs of State," starring June Havoc with Reginald Owen and Barbara O'Neill. Getting tickets may be a problem, but if you happen to be a fortunate soul that owns one, you can see a play that has been leaving them in stitches in New York.



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Motor Enthusiasts

(Continued from Page 1)

points in '50 M.G. T.D.; last, C. Prewitt, 57 points in a '52 M.G. T.D.

Officials at the rally were Edgar Rose, start and Dover check point, William Delbel, West Abington and finish. Frank Heymann and Mauri Kurki-Suonio at East Foxboro.

The first rally of the club was held on December 16. Because of the success of these past two rallies more will be held after spring vacation. At present the officers of the club are Frank Heymann, President, Paul N. Ries, Vice-President, and John Miller, Secretary. These officers are temporary and may change in the elections to be held next week. The Faculty Advisor is Prof. William A. Leary. There will be a meeting of the club next Thursday in Room 31-161 at 5:00 p.m.

WILBUR — Opening Monday for a two week stand is "Salt of the Earth." It stars Teresa Wright and Kent Smith with Judith Parrish. This comedy is being presented here for the first time.

SHUBERT — Another Broadway hit comes to town on Tuesday night when "Two on the Aisle" opens for a three-week engagement. This musical, which has been playing to packed houses in New York, stars Bert Lahr and Dolores Gray. Incidentally, there are still some tickets available, but you better get yours in a hurry.

COLONIAL — Holding down the fort here is Truman Capote's comedy "The Grass Harp." The featured players are Mildred Natwick and Ruth Nelson, with Johnny Stewart.

LOEW'S STATE AND ORPHEUM — Life and loves on the Riviers in Technicolor are the main features of "Pan-dora and the Flying Dutchman" which stars James Mason and Ava Gardner, with Nigel Patrick.

RKO KEITH'S MEMORIAL — "Bend of the River" presents an old favorite in a new role. Jimmy Stewart is the star of this Western with Julia Adams supplying the feminine angle.

SUNDAY, March 16, P.M.

3:30 — Aging Successfully (NAEB Tape Ne-

work). Dr. Robert L. Peterson, Univer-

sity of Illinois

4:00 — Museum of Fine Arts Concert. Scot-

ish Music by Polly Hitchcock, singer

and the Boston Caledonian Club Band

George B. Smith, Pipe-Major

10:20 — News, Weather

Sunday, March 16, P.M.

3:30 — Introduction to Psychology. Comi-

sition on Extension Courses. Dr. Edwin

Newman, Harvard University

4:15 — The People Act (NAEB Tape Ne-

work). Our Partner: The Public. Doc-

umentary

4:45 — Children's —Concert. Members of

Boston Symphony Orchestra. Malcolm

Holmes, conductor

5:45 — Sleepytime Storyteller (CBC)

6:00 — Along the Copacabana

6:30 — Your Voice of America. The Cardin-

Mindszeny Story. Documentary

6:45 — Faculty Report

7:00 — The Epic. Commission on Extensio-

Courses. Professor John H. Finley, Jr.

Harvard University

8:25 — The Symphony Away. Program

Honegger, Symphony for Strings; Beet-

oven, Symphony No. 1 in C, Opus 2

C. P. E. Bach, Concerto for Orchestra I

D; Tchaikovsky, Symphony No. 4 in

minor, Opus 36

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umentary

4:45 — Children's —Concert. Members of

Boston Symphony Orchestra. Malcolm

Holmes, conductor

5:45 — Sleepy

Know Your Rugby Players!



Harry Wenning
Typical of several former college football players now playing for the Rugby team.

Respective Intra-Volleyball Champs

East Campus, Sigma Chi, Baker No. 1, and Phi Delta Theta lead their respective volleyball leagues as the regular season draws to a close. Each team is undefeated and has only one game to play.

In league 4, Phi Gamma Delta has won four games and the Huskies three without a loss. They meet Tuesday, March 18th, at 6:00 in the Armory in what promises to be the deciding game in their division.

Delta Kappa Epsilon, Phi Mu Delta, and Sigma Alpha Epsilon at press time all owned two victories without defeat in league three. SAE's powerful squad ranks with Sigma Chi as the team to beat for the school championship.

RUGBY NOTICE
All men interested in Rugby come out to practice this Saturday and Sunday from 2-4 p.m. in Rockwell Cage. Midfield men are needed whether experienced or not.

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Engineer Oarsmen Train For Coming Spring Regattas

"The bigger they are, the harder they fall"—is an old saying that may well apply to many large men, but such is not the case when it comes to Harry Wenning, former William and Mary football and track star, now playing loose-forward on the M.I.T. Rugby Team. Standing a mere six feet, one inch, in his stocking feet and tipping the scales at 215 pounds, Harry has the distinction of being one of the hardest running players and best kickers on the squad. His rugged type of play has labeled him as one of the finest players on the team.

Harry calls Bloomfield, New Jersey, his home town, where he played three years of varsity football, making allstate and captaining the team in his senior year. He was also an outstanding javelin thrower on the track team.

After graduating in 1944, he went to William and Mary on an athletic-scholarship and went on to star on the varsity track and football teams. In track, he became Virginia State Champ, Virginia Big Six Champ and held Southern Conference Championship, while in football, he made several of the All-Virginia teams.

After graduating from William and Mary in 1949, Harry entered M.I.T. where he is combining Architecture with Building Construction and will receive his degree in Course IV-A this June.

Rugby Schedule

April	Varsity	P.M.
5	Boston Lacrosse Club	Home 2:00
12	Worcester Polytech Inst.	Home 2:00
19	Dartmouth	Away 2:00
23	Tufts	Home 3:00
28	Amherst	Away 2:00
30	Harvard	Away 3:00

May

2	New Hampshire	Open House
10	Stevens	Away 2:00
14	Univ. New Hampshire	Home 3:00

(Continued on Page 4)

After a hard winter on the rowing machines indoors, varsity coach Jim MacMillan led his charges out on the river last week. The first practice went well and spirits are high. Although Mother Nature was not too helpful in providing good weather the outdoor practice was an improvement over the indoor workouts.

Prospects are good for another successful season with several returning lettermen and some good men from last year's frosh. If those freshmen who helped gain that second at Marietta last year continue to improve this year's team may be one of the best.

Last season's climax came when the eight freshmen lost by less than a decklength to Washington at Marietta.

Beaver Barks

By JOHN MARGULIS

M.I.T. is not known for its athletic prowess but rather for its accomplishments in the fields of science and engineering. For a well-balanced campus life, however, an intramural and intercollegiate athletic program has been set up.

It is this observer's opinion that the goals and ideals of this program have been subverted. Though

(Continued on Page 4)

Indoor Track Season Finishes With Annual Interclass Competition

The Technology indoor track season reaches its completion this weekend with the annual indoor interclass meet. As usual the Freshmen rank as favorites to take the team title on the strength of their depth, since five places will count in each event. The frosh will also be aided by the presence of three men who rank as favorites or co-favorites in their events, Warren Lattof in the hurdles, Bill Nicholson in the mile also stand excellent chances of setting new marks. Since the mile-and-a-half has been replaced by the two mile, this year a new record will automatically be set for that event.

Bill Antoine stands a good chance of adding another record to his rapidly growing list in the high jump where the meet record is only 6' 7 1/2". Warren Lattof in the hurdles and Bill Nicholson in the mile also stand excellent chances of setting new marks. Since the mile-and-a-half has been replaced by the two mile, this year a new record will automatically be set for that event.

The Sophomores are the only team which is likely to challenge the Frosh for the team title, and their chances were severely cut by an injury to Ian Williams last Saturday.

Last year as Freshmen the class of 1954 won all three interclass meets by sizable margins, and this year's yearlings maintained the tradition in the fall meet by piling up the highest total in the history of the competition.

The final result this weekend will depend mainly on the bulk turnout of men for the meet.

BASEBALL RALLY

There will be a Freshman Baseball Rally Tuesday, the 18th, at 5 p.m. in Rockwell Cage.



HOT SCRAMBLE

Seconds after a telephone alert to a nearby Air Force base to "scramble," pilots hustle to their jets. In minutes, the stubby, swept-back interceptors thunder skyward.

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 SERVO MECHANISMS HEAT TRANSFER
 COMPUTERS HYDRAULICS — GYROS
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PERSONAL INTERVIEWS

See your placement office for appointment with
 our engineering staff who will visit your campus

March 19, 20, & 21

Rugby Schedule

(Continued from Page 3)

April	Freshman	Home 2:00	Away 2:00	
19	Dean Academy			
22	Harvard	Away 2:00		
26	Middlesex	Away 3:00		
30	Tufts	Away 3:00		
May				
3	Governor Dummer	Away 2:00		
7	Tabor Academy	Home 3:00		
10	Univ. New Hampshire	Home 2:00		
17	Andover	Away 2:00		

Beaver Barks

(Continued from Page 3)

it is true that the primary purpose of a sport is not merely to win but also to teach certain principles of sportsmanship and fair play, a certain proportion of victories are necessary not only for reasons of morale but also to keep the particular team well balanced regarding both offensive and defensive play.

This has not been the case in recent years. Competing against teams who for the most part have more time to spend in practice besides making an active effort to attract athletic talent through scholarships, etc., most of the Bea-

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Dorm. Comm.

(Continued from Page 1)

6-5 in favor where a two-thirds vote was required. The issue was scheduled to be brought up at the next Inst. Comm. meeting.

Jon Van Winkle, Treasurer of Dormcomm., reported that the books were in a mess and the Treasurer's Report would not be acceptable until the necessary changes are made.

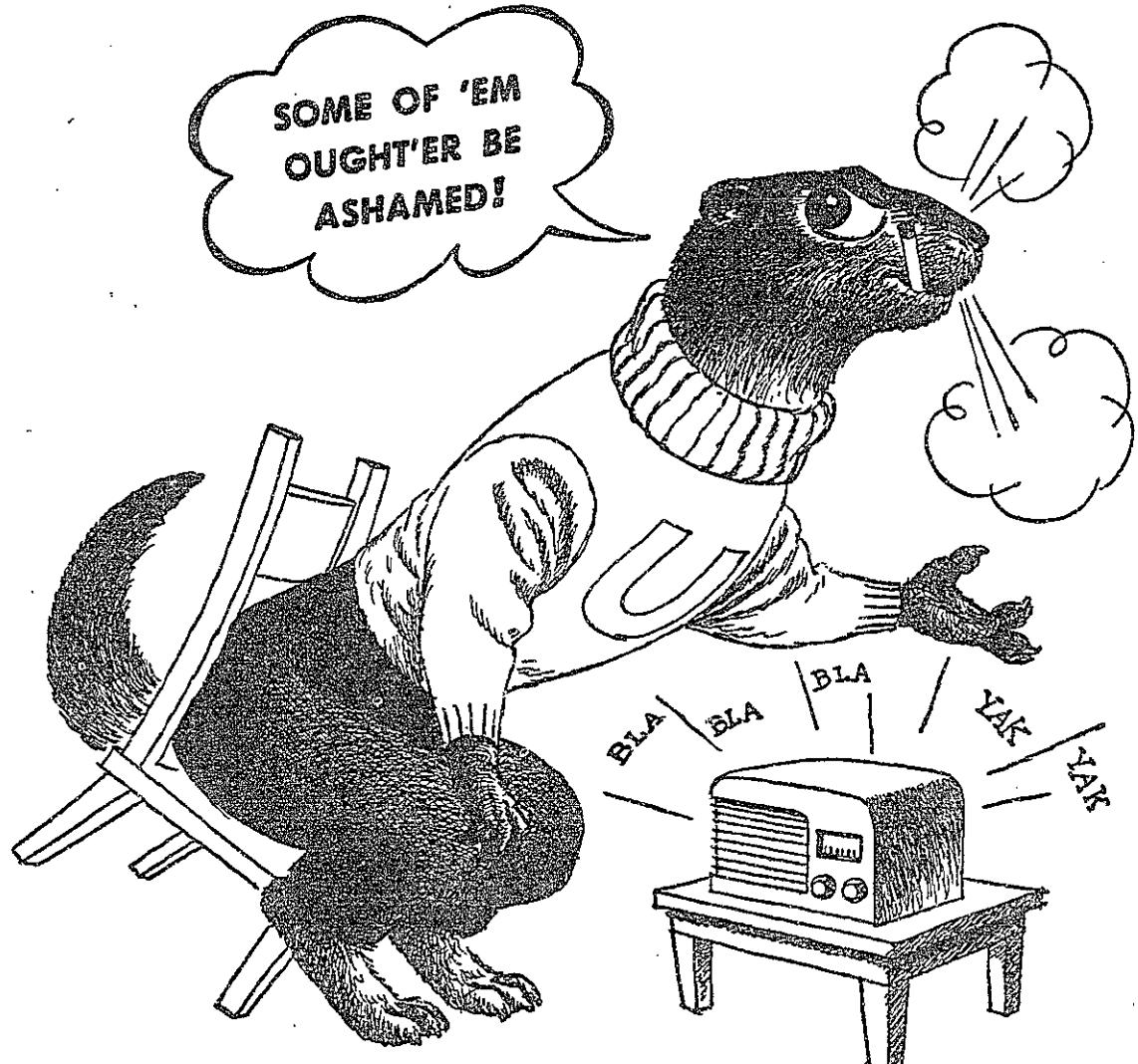
ver squads have not had the opportunity to use their potential.

The hockey team is a good example. Boston College and Boston University are known as two of the top hockey squads in the east. Pitted against a game and determined but nonetheless outclassed Tech team, the Engineers did not stand a chance.

It's time someone realizes what the situation is and does a positive job of rescheduling the sports program at the Institute so that the various teams would be competing with other schools of the same caliber. The morale of the athletes as well as that of the student body would take a jump well worth the time and effort spent.

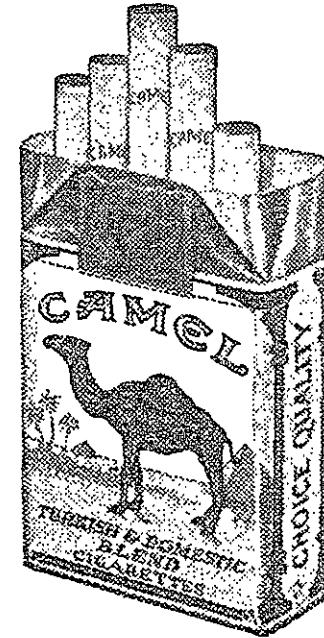
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No. 36...THE OTTER



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